



MEMORANDUM OF UNDERSTANDING

TO: **Greg Meszaros**
Director, Austin Water Utility

M.O.U. # **PARD 08-042**

FROM: **Sara Hensley**
Director, Parks and Recreation Department

SUBJECT: **Downtown Wastewater Tunnel**

FDU #; 4570-2307-8711 ; Subproject I.D.: 5481.001

DATE: **(mm/dd/yy)**

Austin Water Utility is allowed to use five (5) discrete parcels at locations (as indicated in Attachment "B", Location Maps) along the existing North Austin Interceptor (NAI) and South Austin Interceptor (SAI) alignments to accommodate access shafts for the construction and future maintenance of the tunnel. While the Downtown Wastewater Tunnel will traverse parkland for some of its alignment, the tunnel will be located at a depth of 50 to 80 feet and will not impact Parkland while under construction or while in use. The only access to the tunnel Austin Water Utility will require, while under construction or while in use, will be at the five shaft locations. This access will be minimal during the life of the Downtown Wastewater Tunnel, occurring at anticipated intervals of 5 to 10 years.

Lamar Shaft:

The Lamar Shaft is located in the roughly triangular area bordered by Lamar Boulevard to the east, BR Reynolds to the west, and Cesar Chavez to the south (see attached aerial photo for definition of the parcel). Less than one acre will be required as temporary workspace. During construction, the site may be used to construct the access shaft; construct the necessary infrastructure to transfer wastewater flows from the NAI to the Downtown Wastewater Tunnel (referred to as a junction box); remove the tunnel boring machine; store supplies for the construction of the wastewater line, including pipe and grout; and place pipe and grout into the tunnel.

This site is required to relieve wastewater flows from the NAI before they reach the Shoal Creek Lift Station. This will allow the Austin Water Utility to decommission the aging Shoal Creek Lift Station.

The Lamar Shaft is considered a limited-service shaft for construction purposes. Activities at this site are anticipated to take about nine (9) months.

Toomey Shaft:

The Toomey Shaft is an existing shaft built during the construction of the Barton Creek Lift Station Relief tunnel and currently houses a temporary lift station. Approximately 2.5 acres will be required for temporary workspace. During construction, the site may be used to temporarily bypass wastewater flows from the Barton Creek Lift Station Relief Tunnel to the SAI; insert the tunnel boring machine; remove material from the tunnel as construction progresses; remove the tunnel boring machine; store supplies for the construction of the wastewater line, including pipe and grout; and place pipe and grout into the tunnel.

This site is required to intersect the Barton Creek Lift Station Relief Tunnel and decommission the temporary Toomey Lift Station.

The Toomey Shaft is considered a full-service shaft for construction purposes. Activities at this site are anticipated to take about one nine (9) months.

Riverside Shaft:

The Riverside Shaft is located at the south-west intersection of S 1st Street and Riverside Drive, near Palmer Events Center and the Long Center for Performing Arts. Approximately ½ acre will be required for temporary workspace. During construction, the site may be used to construct the access shaft; construct a junction box to transfer flows from the SAI to the Downtown Wastewater Tunnel; remove the tunnel boring machine; store supplies for the construction of the wastewater line, including pipe and grout; and place pipe and grout into the tunnel.

This site is required to relieve wastewater flows from the SAI.

The Riverside Shaft is considered a limited-service shaft for construction purposes. Activities at this site are anticipated to take about nine (9) months.

Comal Shaft:

The Comal Shaft is located at the north-west intersection of Comal Street and Festival Beach Drive. Approximately 3 acres will be required for temporary workspace. During construction, the site may be used to construct the access shaft; insert the tunnel boring machine; remove material from the tunnel as construction progresses; remove the tunnel boring machine; store supplies for the construction of the wastewater line, including pipe and grout; and place pipe and grout into the tunnel. This site is required to provide Austin Water Utility access for the future relief of additional flows from the NAI.

Since this site may be used by the contractor during construction as the primary site of their tunneling operation, the Comal Shaft is considered to be a full-service shaft for construction purposes. However, the duration and extent of activities on this site is dependent upon how the contractor establishes their operation. To phrase the issue another way, it is possible that the Comal Shaft site will be a limited-service shaft for construction purposes. At most, activities at this site are anticipated to be a maximum of one and a half (1.5) years.

Krieg Shaft:

The Krieg Shaft is located east of Pleasant Valley Road and south of the Colorado River near the Krieg softball fields. Approximately 2.5 acres will be required for temporary workspace. This workspace requires the temporary use of the smallest of the Krieg softball fields. During construction, the site may be used to construct the access shaft; insert the tunnel boring machine; remove material from the tunnel as construction progresses; store supplies for the construction of the wastewater line, including pipe and grout; and place pipe and grout into the tunnel.

This site is required to connect to the Govalle Tunnel which conveys wastewater to the SAR.

Since this site may be used by the contractor during construction as the primary site of their tunneling operation, the Krieg Shaft is considered to be a full-service shaft for construction purposes. However, the duration and extent of activities on this site is dependent upon how the contractor establishes their operation. To phrase the issue another way, it is possible that the contractor will elect to move their operation to the Comal Shaft site, and minimize their presence at Krieg Field. At most, activities at this site are anticipated to be a maximum of two and one half (2.5) years.

Final Condition:

At the completion of the project, the parkland at each shaft site will be restored for public use. This includes the restoration of the softball field at Krieg. The project will leave concrete pads at-grade (on the ground surface) of approximately twenty (20) feet in diameter with manholes or access hatches for maintenance of the tunnel. Austin Water Utility will retain access to each shaft for maintenance and repair of the tunnel as needed.

The tracts are to be used for Work areas, staging and spoils and access points.

The estimated Project Start Date is **September 2009**

The estimated duration of the project is **Nine Hundred Thirteen (913) Calendar** Days.

Estimated Date of Final Completion (Restoration complete and accepted by Environmental Inspector and PARD; Parkland open for Public Use) is **March 2012**.

Extension/modification of parkland use must receive prior written approval from PARD. Additional fees will be assessed at the same daily rate as stated in Attachment "A" of this M.O.U.

Austin Water Utility is in agreement to provide the following mitigation in return for use of the parkland:

For the use of the land, Austin Water Utility will provide the Parks and Recreation Department \$1,329,012.06 (One Million Three Hundred Twenty-Nine Thousand Twelve Dollars and Six Cents) as shown in the attached calculation. This mitigation is for the impact to park users during the construction of the project.

The calculation for the mitigation takes into consideration the temporary use of each site, the permanent access the Austin Water Utility must retain for access to each site, the subsurface use for the tunnel alignment as it crosses parkland, and loss of revenue for the temporary removal of the softball field at Krieg Fields.

In addition to these mitigation dollars Austin Water Utility has minimized the impact to parkland by carefully considering each shaft site. The sites were selected to have minimal impact on park users, while accomplishing the required goals of the project. Each shaft site was analyzed for its intended use, and the footprint of each site was made as small as possible for the activities that must occur.

As discussed with Parks and Recreation Department staff, the mitigation dollars are planned to construct two multi-purpose fields at Roy G. Guerro Colorado River Park as part of a construction package that will be bid in February 2009. The multi-purpose fields were planned and designed; however, prior to this agreement, funding was not identified to construct them. In addition, mitigation dollars are planned for the installation of lighting for volleyball fields at Krieg Fields, which will increase the possible revenue PARD can generate from those fields. After these planned improvements, there will be significant mitigation dollars remaining from the \$1,329,012.06 sum to fund other improvements as PARD identifies them.

The Funds Transfer is to be paid **within 30 Calendar Days after execution of this Memorandum of Understanding.**

Austin Water Utility Point of Contact is: **Steven Schrader**

Phone Number: **703-6635**

Public Works Point of Contact is: **Lora Teed**

Phone Number: **974-7025**

PARD Point of Contact is: **Ricardo Soliz**

Phone Number: **974-6765**

(Final Authority) Approval: **(Date)**

Mitigation funding in the amount of **One Million Three Hundred Twenty-Nine Thousand Twelve Dollars and Six Cents (\$1,329,012.06)** has been agreed to.

Sara Hensley
Director, Parks and Recreation Department

Date

CONCURRENCE

Greg Meszaros
Director, Austin Water Utility Department

Date

Attachments: A (Mitigation Calculation Worksheet)
B (Location Map)